Inter **Application No** PCT/IB2004/052753

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/265 H01L21/20

According to International Patent Classification (IPC) or to both national classification and IPC

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01L} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUM	INTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MATSUNAGA Y ET AL: "Effect of surface treatment during Ge<+>/B<+> two step ion implantation" ION IMPLANTATION TECHNOLOGY PROCEEDINGS, 1998 INTERNATIONAL CONFERENCE ON KYOTO, JAPAN 22-26 JUNE 1998, PISCATAWAY, NJ, USA, IEEE, US, vol. 1, 22 June 1998 (1998-06-22), pages 668-671, XP010362035 ISBN: 0-7803-4538-X the whole document	1-10
X	US 6 165 876 A (YAMAZAKI ET AL) 26 December 2000 (2000-12-26) emdodiments; figure 7	8-10

Patent family members are listed in annex.			
 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family 			
Date of mailing of the international search report			
27/07/2005			
Authorized officer Wolff, G			

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Interr Application No
PCT/IB2004/052753

215	W. A DOCUMENTS CONCIDENCE TO BE DELEVIANT	101/182004/032/33
C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NAEM A A ET AL: "FORMATION OF SHALLOW N+P JUNCTIONS" JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 62, no. 2, 15 July 1987 (1987-07-15), pages 569-575, XP000819591 ISSN: 0021-8979 abstract; II. EXPERIMENTAL PROCEDURE	1-10
Α	US 2003/207542 A1 (CHIDAMBARAM P.R ET AL) 6 November 2003 (2003-11-06) paragraphs '0043! - '0046!; claims 1-8; figures 5-8	1-10
A	US 5 254 484 A (HEFNER ET AL) 19 October 1993 (1993-10-19) claim 1	1-10
A	US 4 683 645 A (NAGUIB ET AL) 4 August 1987 (1987-08-04) claims	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

Interr I Application No
PCT/IB2004/052753

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6165876	A	26-12-2000	JP JP JP	8204208 A 3512550 B2 8274344 A	09-08-1996 29-03-2004 18-10-1996
US 2003207542	A1	06-11-2003	NONE		
US 5254484	A	19-10-1993	DE DE EP JP JP	4035842 A1 59107615 D1 0485830 A1 2585489 B2 6342805 A	14-05-1992 02-05-1996 20-05-1992 26-02-1997 13-12-1994
US 4683645	Α	04-08-1987	CA	1216962 A1	20-01-1987